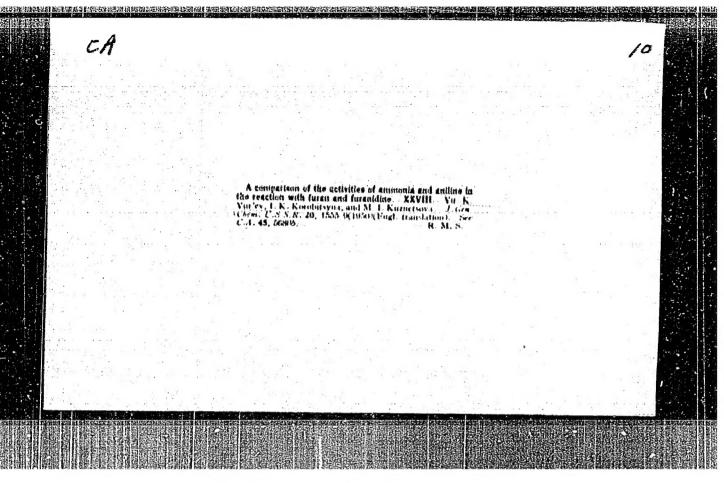
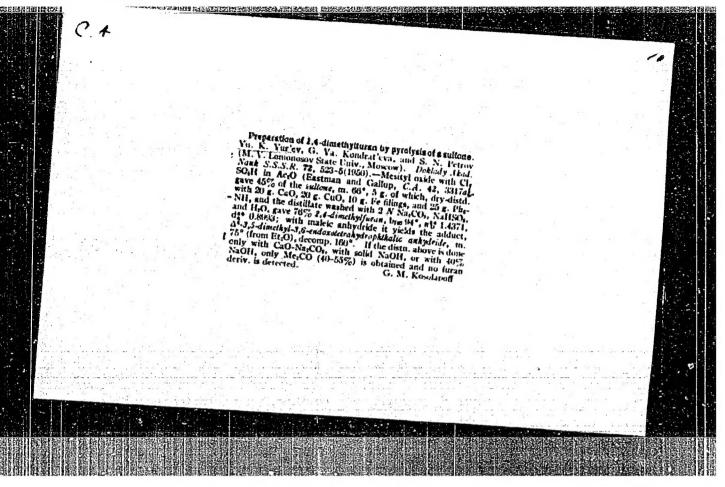
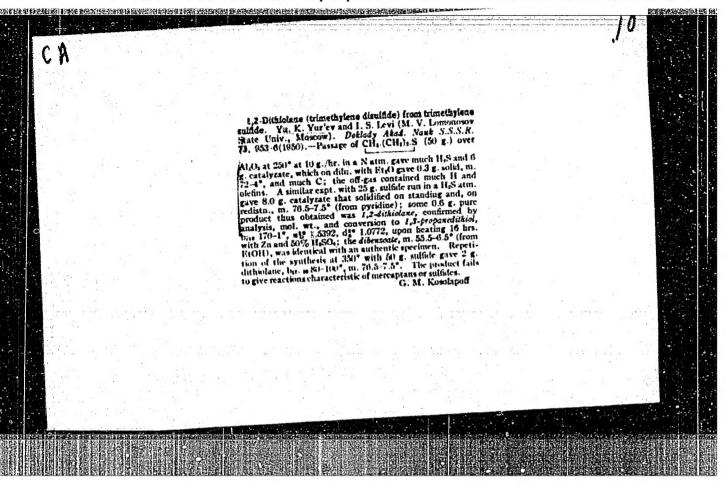


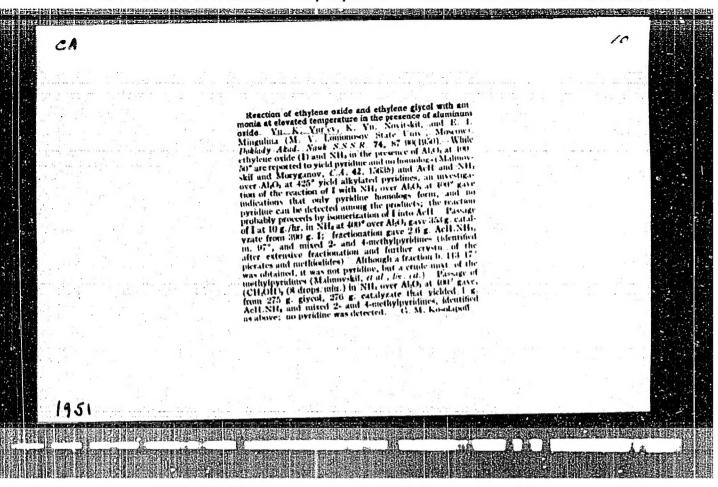
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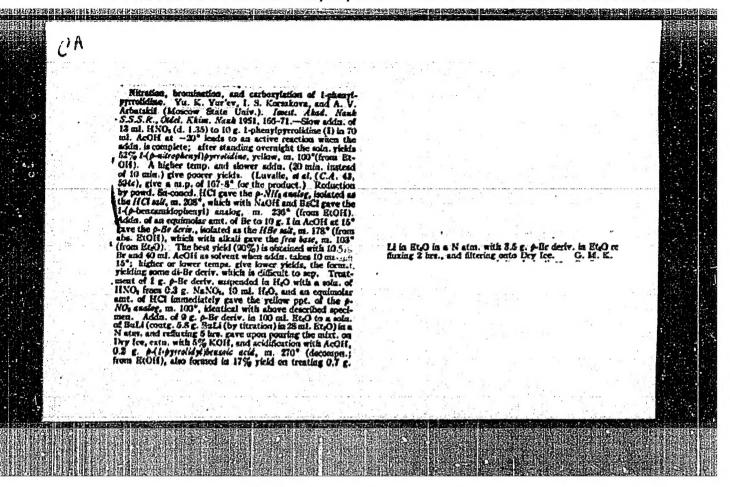
YUR'YEV, YU. K.; KONDRAT'YEVA, G. YA.; DERBENEVA, A. A.

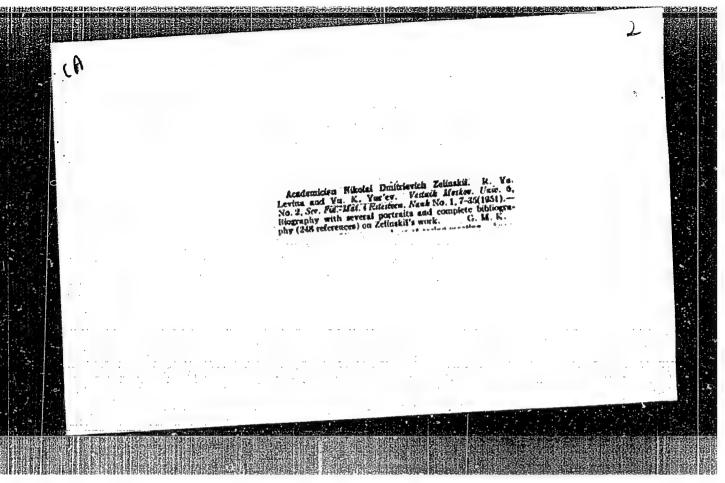
Furanidines

Simultaneous catalytic dehydration of 2, 5-dialkyland 2, 2, 5, 5-tetraalkylfuranidines with hydrogen sulfide. Uch. zap. Mosk. un., No. 132, 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952 UNCLASSIFIED.

| Pyrrolidones Transformation of | cutyrolactone | into <- py | rrolidone | and N-phen | yl- « -pyri | olidone, i | jch. zap. | |
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| Mosk. un., No. 132 | 2, 1950. | | | | | | .* | |
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YUR'YEV, Yu.K.; KORSAKOVA, I.S.; ARBATSKIY, A.V.

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Nitration, bromination and carboxylation of N-phenylpyrrolidine. Izv.Akad.nauk SSSR; Khim.otd. no.2:166-171 Mar-Apr 51. (CLML 20:7)

1. Laboratory of Organic Chemistry imeni N.D. Zelinskiy of Moscow State University.

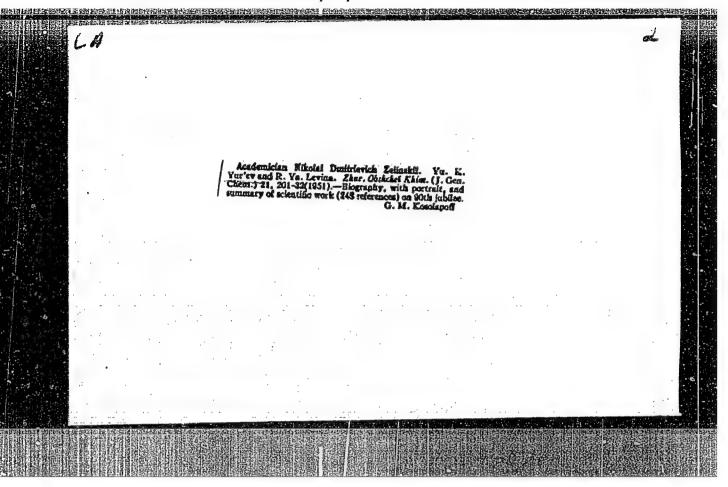
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YUR YEV, Yu.K.; NOVITSKIY, K.Yu.; LIRERGY, L.G.

Obtaining of monoethanolarylamines from the ethylere and arylamines oxide. Izv.Aked.nauk.SSSR;Khim.otd. no.3:317-327 May-June 1951. (CIML 20:9)

1. Laboratory of Organic Chemistry imeni N.D. Zelinskiy of Moscow State University.



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Behavior of furan and furanidine with metallic sulfides and amidea. KRIK. Vu. K., Yur'ev and V. A. Tronova. (Moscow State Univ.). Zhar. Ossikele Khim. (J. Gen. Chem.) 21. 256-8(1951); cf. Uchenye Zapishi Massow. (sorudorst. Univ. 79, 166(1945); C.A. 45, 56900.—Furan and furanidine heated with sulfides or amides of metals do not exchange their O for S or NH. Thus, pyrites, FeSs. FeS, AlSs., at 325-689° fait to yield any Schetrocycles from either O-heterocycles, which are recovered (26-02% recoveries, depending on conditions used); the decompupations were not studied. However, passage of furanidine in the presence of 2 parts steam at 300-400° over Alss. gave up to 32.5% throphane, bns 119-20°, n§ 1.5050, d§

O.1984). Furan (at Ua) has furantitue (at Get) a pyroledise, tesp. Reaction of methyl systemacate with aniline. XXX. Yu. K. Yur'ev and E. G. Yendel'ahtein. 1664, 260-64.

Passage of B. M. Edwarde, h. 160-64. at 14.1873, detail. 1783, and 24 g. PhNH; over AlO, in a N stream at 475. gave 14 g. PhNH; and 1.5 g. (17%) I-phensylpyrode (1), m. 58. At 400° the yield is 35%, while at 350° 22% is obtained, along with about 8% furant of a 1.2 molar ratio of PhNH; is used. Heating 1 g ester with 2.7 g. PhNH; and 1.3 g. activated AlO; in a scaled tube 8 hrs. to 376° gave in 0.2 g. I, but at 310°, 87.5% of Gramantide, in 123°, we obtained; at 270° as at 250°, the wild was 88.5% Residential in 180° gave ThNH; a trace of I, and 50°, 2 furantidie; at 190° as at 250°, the wild was 88.5% Residential in 180° gave tower AlO; in a Natin. at 350° gave CO; 0.9 g. furantide of AlO; is a Natin. at 350° (a trace of CO; forms). Furantide ester over AlO; in a Natin. at 350° (a trace of CO; forms). Furantide of the miclear 0. Residential 2 facilitates replacement of the micrear 0. Residential 2 facilitates facilitates and 10° (a. 110° (a. 110°

YUB!EV, TU. K.

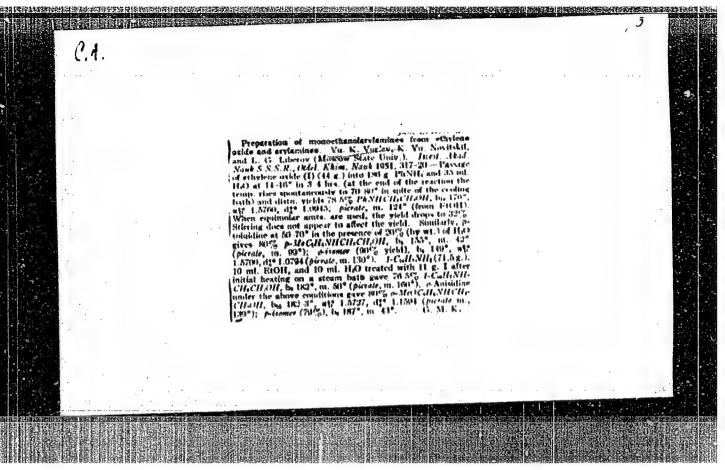
"XXX. The reaction of methyl furoate with aniline." by Yu. K. Yur'ev. and E. G. Vendel' shuein. (p.259)

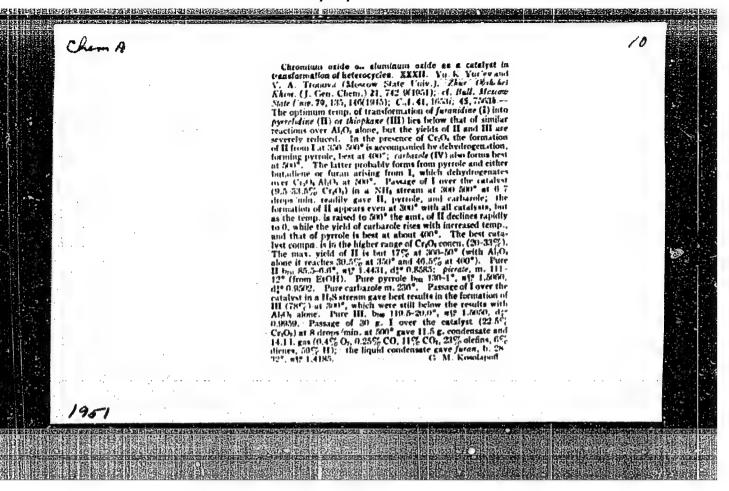
SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1951, Volume 21, No. 2

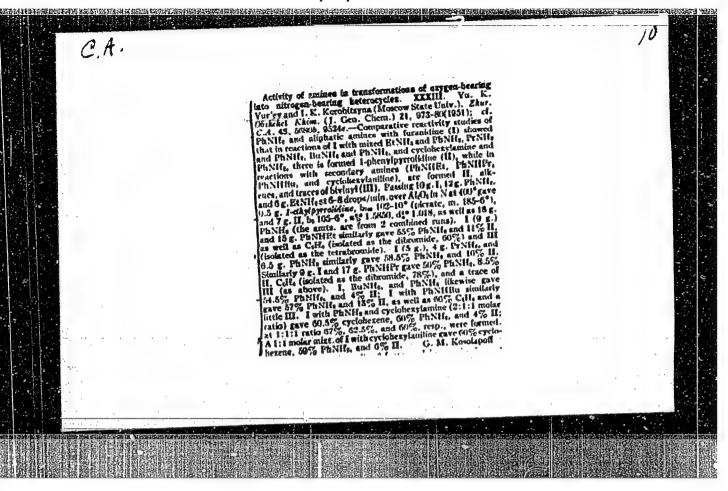
YUR'EV, YU. K.

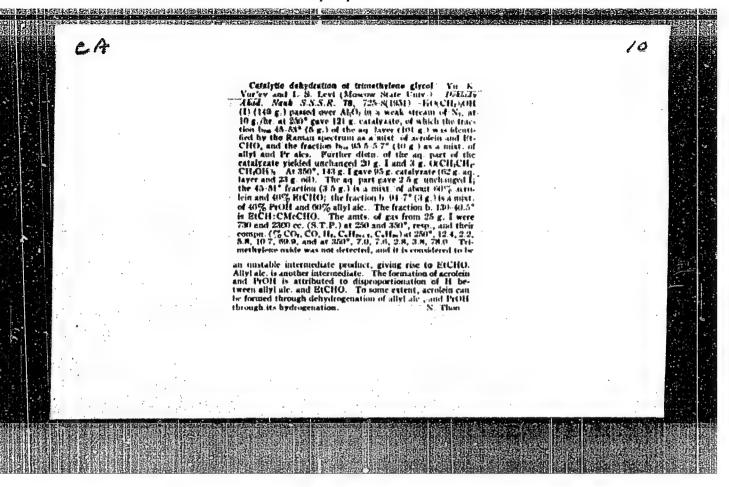
"XXXI. The reaction of rethyltetrahydrofuroute with aniline." by Yu. E. Tur'ev
E. G. Vendel'shtein. (p.264)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1951, Volume 21, No. 2





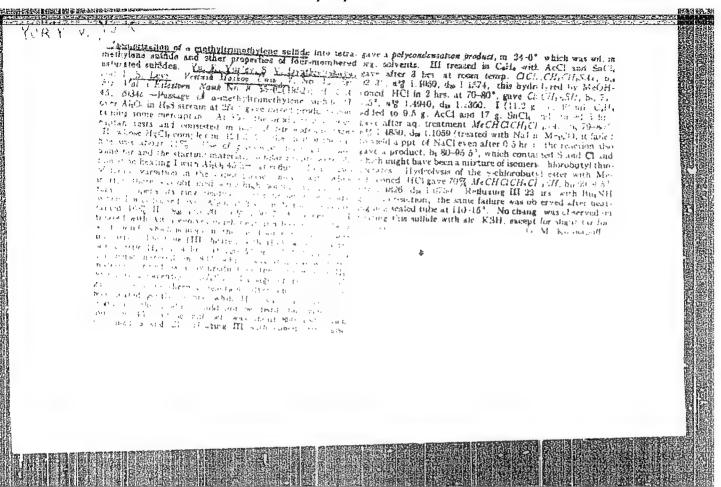


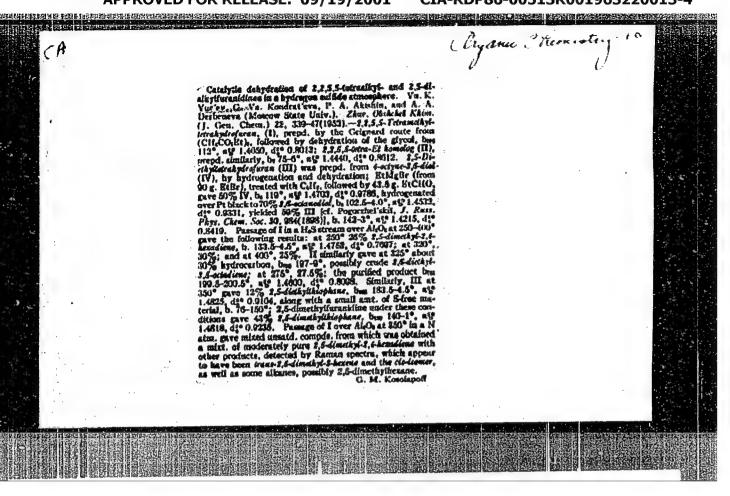


YUR'YEV, Yu.K.; DYATIOVITSKAYA, S.V.; LEVI, I.S.

lecmerization of Co-methyl trigsthylene sulfide into tetramethylene sulfide and other characteristics of four-membered saturated sulfides. Vest. Mosk.un. 7 no.12:55-62 D '52. (WERR 7:9)

1. Laboratoriya organicheskoy khimii im. akad. N.D.Zelinskogo. (Sulfides) (Isomers and isomerization)





YUR'YEV. YU. K.; VENDEL'SETEYN, YE. G.; EINOV'YEVA, L. A.

Lactones

Part 35. Conversion of butyrolactone to thiophanon pyrrolidone-2 and 1-phenylpyrrolidone-2. Zhur. ob khim. 22, 24, No. 3, 1952. Laboratoriya Organicheskoy Khimii im. N. D. Zelinskogo Moskovskogo Ordena Lenina Gosudarstvennogo Universiteta.

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

YUR'YEV, Yu. K.: HUMMAT' DIVI, C. Ya.; EARTADETY DIVI, A. I Heterocyclic compounds Part 36. Conversion of S. B-dinethylfuran and S. B-dimethylfuranidine to corresponding nitrogen- and sulfur-containing heterocyclic compounds. Zhur. ob. khim. 22 (84) No. 3, 1952. Laboratoriya Organicheskoy Khimii im. N. D. Zelinskogo Moskevskogo Ordana Janina Canada and Management and Mana Ordena Lenina Gosudarstvennogo Universiteta.

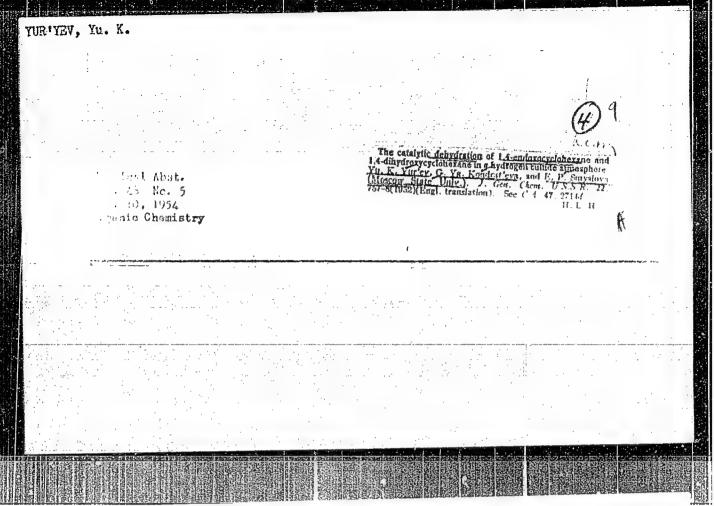
SO: Monthly List of Russian Accessions, Library of Congress,

1953, Uncl.

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| YUR'YEV, YU. K. | | eaction was investig | been demonstrated previously, to homologues will be converted its homologues under the action of the standard previously to the standard previously the same etrahydropyrane undergo the same as 2-dihydrothiopyrane and tetring 12-dihydrothiopyrane and tetring the standard previously alcohologues. | UESK/Chemistry - Organic Sulfur Compounds Apr 50 "XXXVII. Conversion of Tetrahydrofuryl Alcohol and Tetrahydrofuryl Mercaptane Into A Dihydrothiopy Tetrahydrofuryl Mercaptane Into A Vendel'shteyn, Lab of Org Chem, Moscov State U "Zhur Obshch Khim" Voi XXII, No 4, pp 687-693 | |
| | o | contact with ated. | hat furanidine nto thiophane H2S in presence lihydropyrane conversion, ahydrothiopyrane 224F48 | nds Apr 52 1 Alcohol and Dihydrothlopy- hteyn, Lab of 687-693 | |
| | 84TH 8 | | presence yrane ion, iopyrane 224T48 | 2, 52 2, 52 | |
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| YUR'YEV, YU. K. | 64 <u>1</u> 1422 | to cyclcheradiene-1,3. The sulfur comp torres- ponding to 1,4-endoxocyclohexane, 1,4-endothiocy- clohexane is not formed by either of the 2 above substances under the conditions of the reaction. | When 1,4-enderocyclohexane is introduced into an H2S atm over A-203 at 2750 dehydrogenation of the exide takes place and cyclohexadiene-1,3 is formed. Catalytic dehydrogenation of 1,4-dioxycyclohexane in an E2S atm over Al203 also proceeds only 2247440 | "Catalytic Dehydrogenation of 1,4-Endo and 1,4-Liongryclohexane in a Hydrogen mosphere," lt. K. Yur'yev, G. Ya. Kond Ye. P. Enyslova, Lab of Org Chem imeniakly, Moscov State U | USSR/Chemistry - Effect of Sulfur Compounds Apr 52 |
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YU. K. YUR'YEV, I.K. KOROBITSYNA

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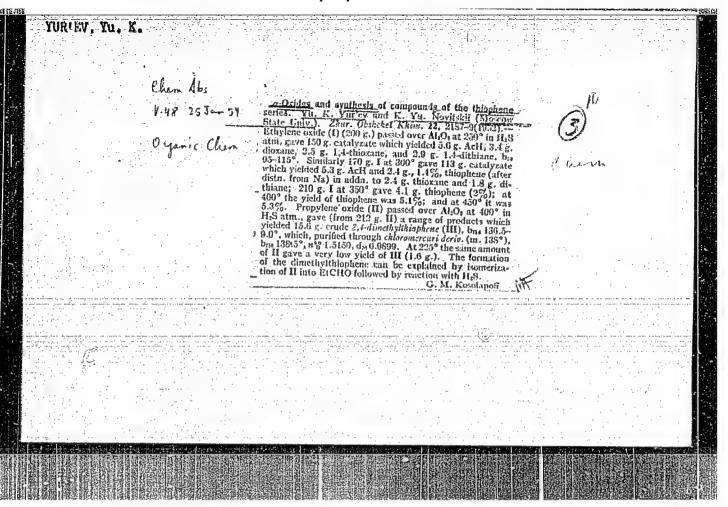
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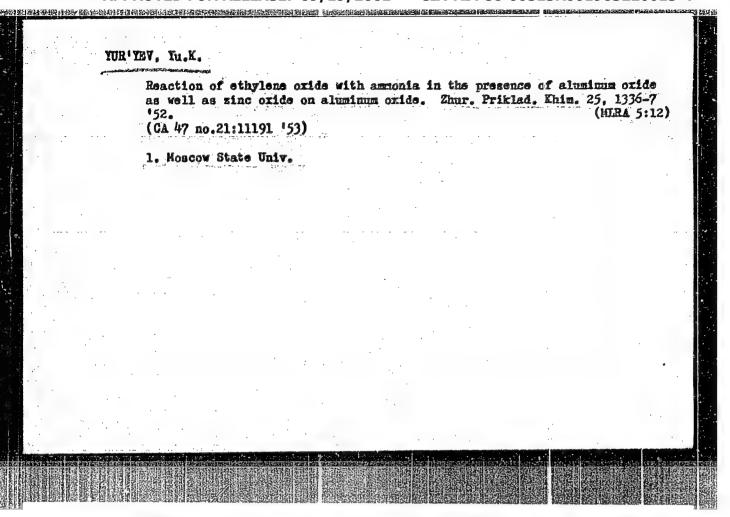
"XXXVIII. The Mechanism of Joint Catalytic Dehydration of Furanidine and Secondary Amines," Org. Chem. Lab im Zelinskiy, Moscow State U.

Zhur Obshch Khim, Vol22, No5, pp 852-059

In the reaction between furanidine and secondary amines in the presence of Al₂O₃ at 400°, hydrolysis of the secondary amine takes place first. The primary amine thus formed then enters into reaction with the furanidine.

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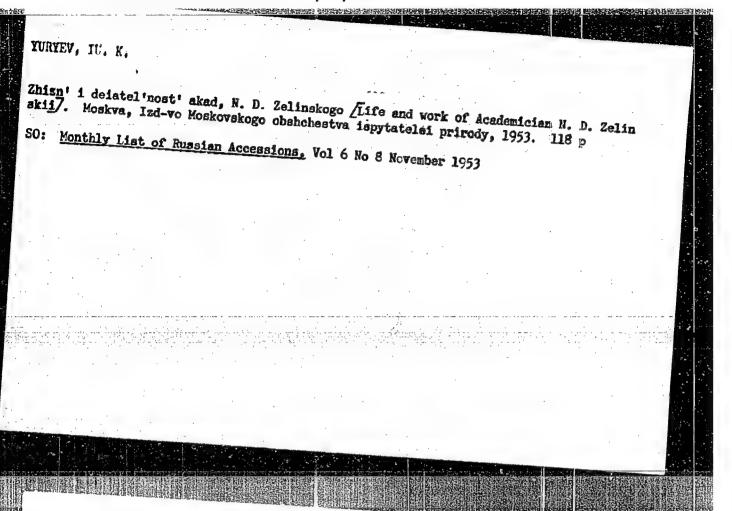
YUR'YEV, YU. K., KOROBITSYNA, I. K., SAVINA, L. A.

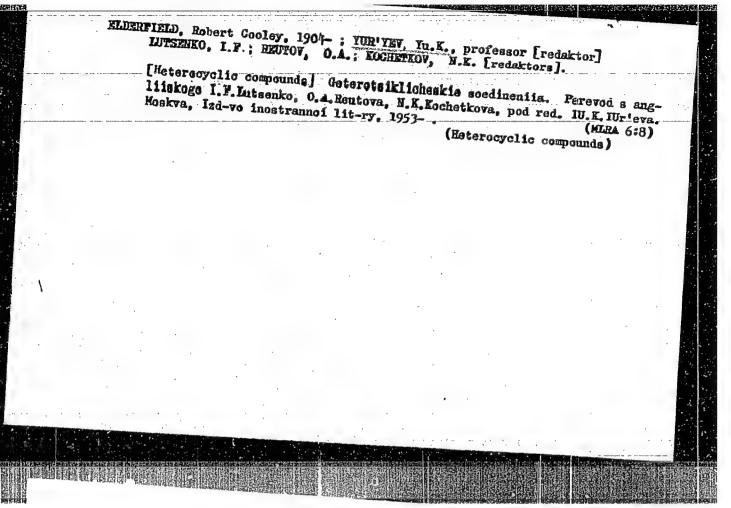
Furanidines

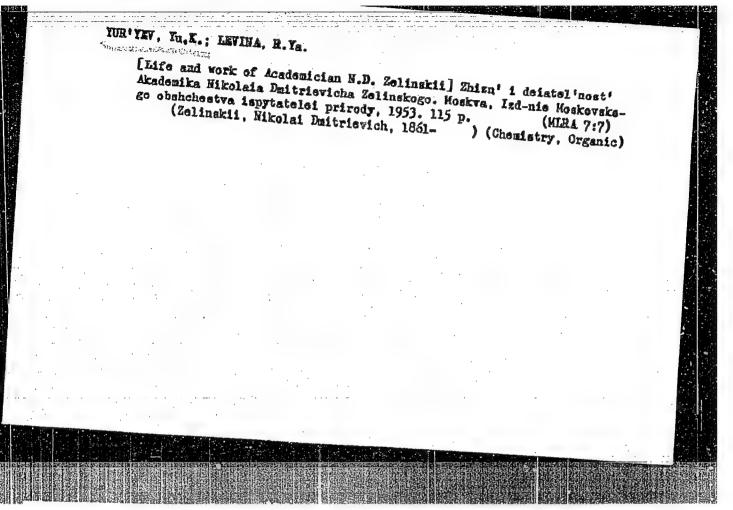
Synthesis and transformation of A-furanidone. Dokl. AN SSSR 86 no. 1, 1952.

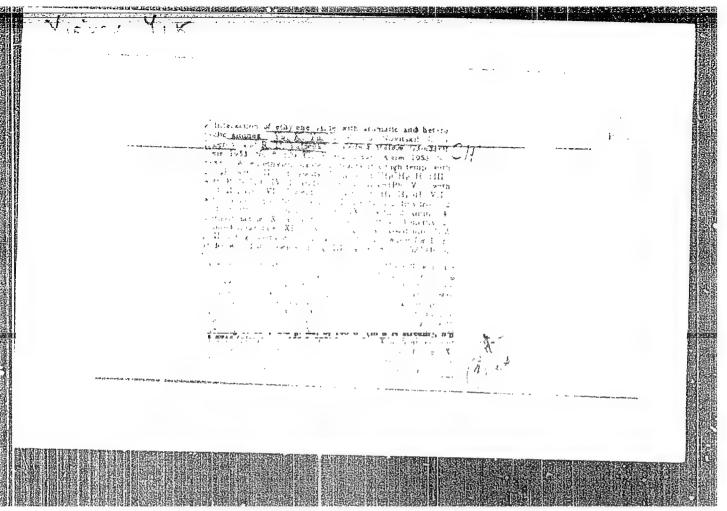
Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

| YUR'YEV, YU. K. | (כא הויים לרא אים וויים | vas carried out in benzene sath. The following were thisnyl ketone, ethyl-2-th 2-thienyl ketone, n-beptad phenyl-2-thienyl ketone, a tone. Presented by Acad A | "hok Ak Mauk SSSR" Vol Silicic and org acids) org acids, were used it or the thiophene and i | "Tetrescyloxysilanes in of the Thiophene and Fur The Thiophene and Fur Tur'yev, G. B. Telyahov, M. D. Zelinskiy, Moscov monosov | USSR/Chemistry - Orga |
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| | i j | in the presen prepd: methyl tenyl ketone; 2-thienyl ketone; ecyl-2-thienyl nd methyl-2-fund methyl-2 | 86, No 2, pp 337- ixed anhydrides of obtained from Si o the synthesis of uran series. The | the Synthopis an Series," \ Lab of Org (State U imen | Organosilicon . 11 Sep |
| | 235128 | nce of 1-2- n-propyl- n-propyl- n-amyl- i ketone, i ketone, aryl ke- ov. | 7-340 of ortho- sicl, and of ketones e reaction 235728 | Ketones imeni v. io- | P 52 |





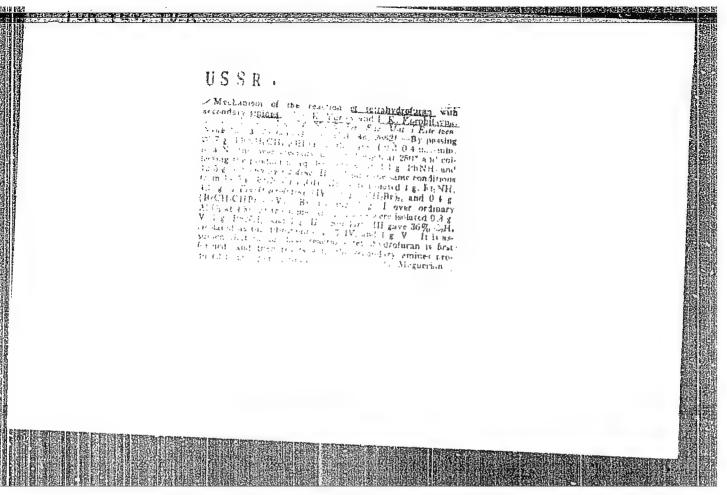


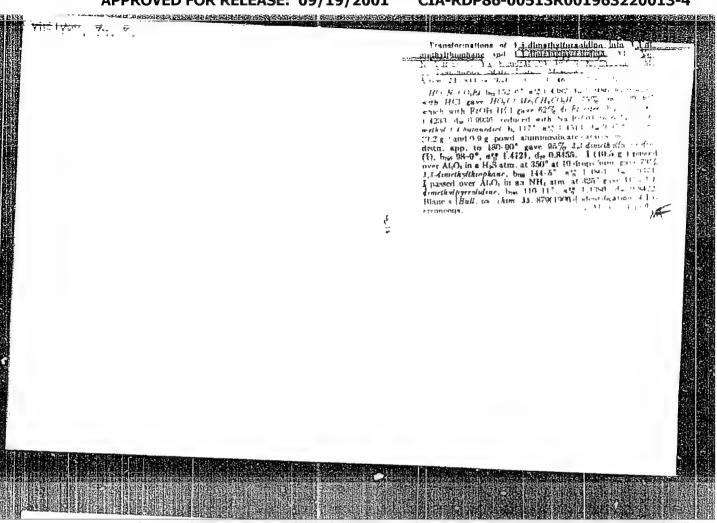


YUR'YEV, Yu.K.; ABRATSKIY, A.V.

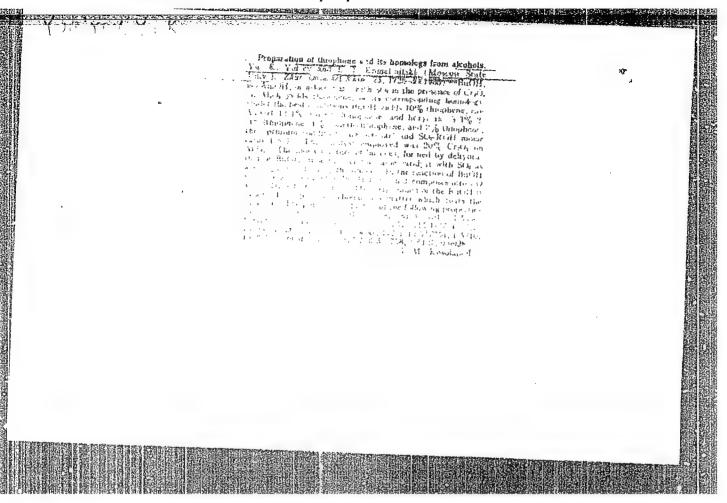
Sulfamides, containing a pyrrolidine ring. Vest.Mosk.un. 8 no.2:33-87 F (KLRA 6:5)

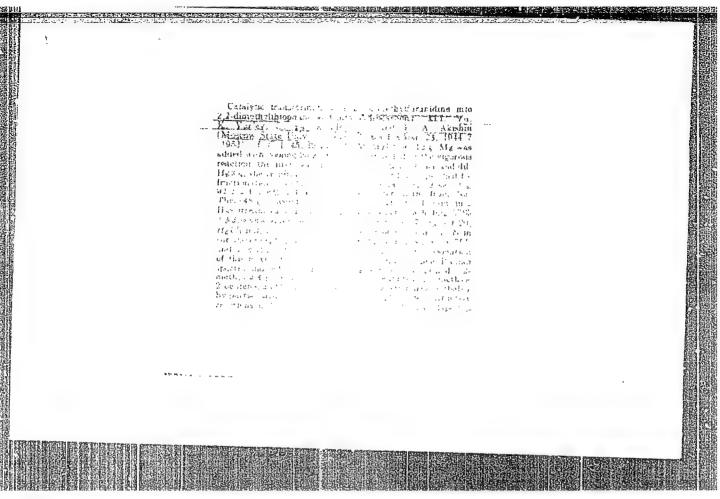
1. Laboratoriya organicheskoy khimii im. akad. N.D. Zelinskogo.
(Sulfamides) (Pyrrolidine)

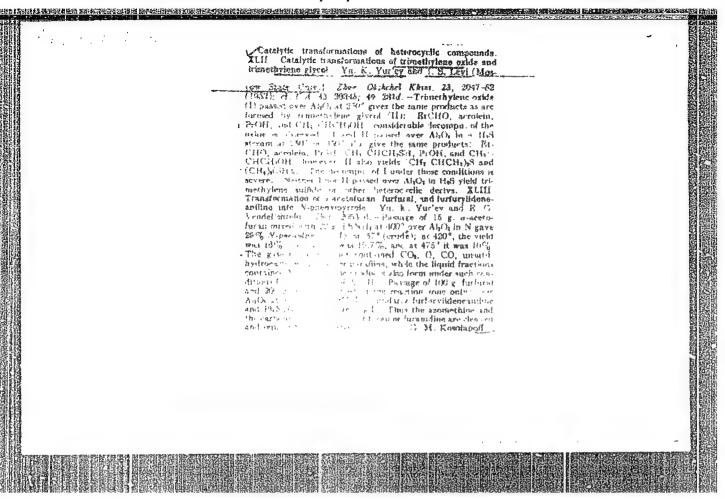




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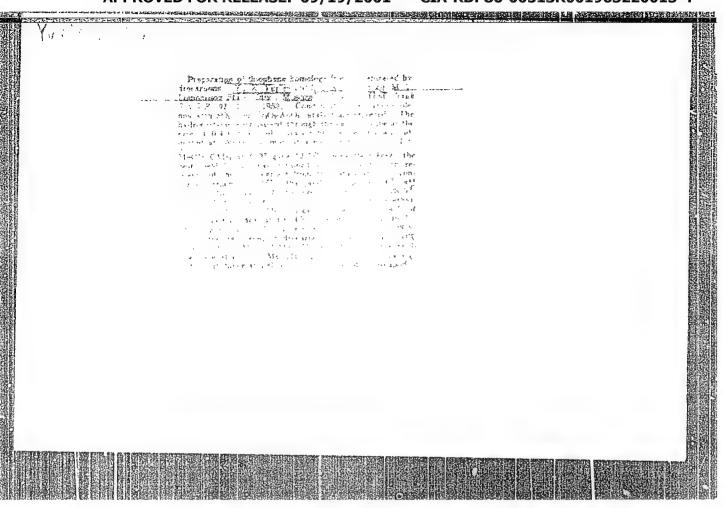




YUR'YEV, Yu.K. 1 VENDEL'SHTEYH, Yo.G.

Conversion of &-acetofuran, furfurole, and furfurylidens anilene into N-phenylpyrrole. Zhur.ob.khim.23 no.12:2053-2056 D *53. (MLRA 7:2)

1. Moskovskiy Gosudarstvennyy universitet, Laboratoriya organicheskoy khimii im. N.D.Zelinskogo. (Heterocyclic compounds)



YUR 'YEN', Yu. K.

ZELIESKIY, N.D., akademik; KOCHESHKOV, K.A., redaktor; KAVERENEVA, Ye.D., doktor khimicheskikh nauk, redaktor; LEVINA, R.Ya., redaktor; YUB'YEV, Yu.K., redaktor.

[Collected works] Sobranie trudev. Moskva, Izd-vo Akademii nauk SSSR. Vol. 1. 1954. 514 p. (MERA 7:8)

1. Chlen-kerrespondent AN SSSR (for Kocheshkov) (Chemistry--Collected works)

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: Pub 129 10/24

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Author

: Akishin, P. A.; Rambidi, N. G.; Novitskiy, K. Yu.; Yur'yev, Yu. K.

Title

: Raman spectra of heterocyclic compounds. I

Periodical

: Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol 9, No 2, 77-80,

Mar 1954

Abstract

: Measured the Reman spectra of cyclic sulfur compoinds to obtain experimental proof for the constancy of the line intensity of the C-S bond vibration. In the spectra of sulfur-saturated compounds (thiophane, 1,4-thioxane and alpha-methyltrimethylene sulfide) the sum of the line intensities of the C-S bond was found to be constant within the limits of experimental error. In the spectra of the unsaturated sulfur compound (delta - dihydrothiopyrane) two facts are apparent: a) the sum of the line intensities for the C-S bond is much less than that of the saturated compounds; b) the intensity of the

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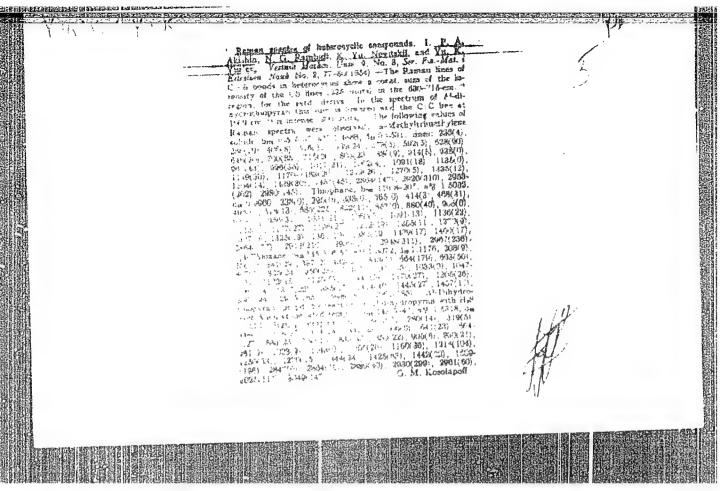
Card bond in the compound in greater than that of the isolated Card bond.

One table. Firtues references (one foreign).

Institution: Chair of Physical Chemistry and Chair of Organic Chemistry

Submitted: July 10, 1953

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USSE/Chemistry byenture

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Card 1/1

: Pub. 129-9/23

: Yur'yev, Yu. K. and Avbatskiy, A. V.

CHARLES STATE

Title

: Dyestuffs containing the pyrrolidine ring

Periodical.

: Vest. Mosk. un., Ser. fizikomat. i yest. nauk. 9. No 8. 63-69. Dec 1954

Abstract

: Prepared azo dyes containing the pyrrolidine ring by treating N-phenylpyrrolidine with diazonium salts. Also prepared tri-phenylmethane dyes containing the pyrrolidine ring by treating N-phenylpyrrolidine with benzaldehyde and with Michler's ketones. An indamine dye containing the pyrrolidine ring was obtained through the oxidative condensation of N-phenylpyrrolidine with N-(para-aminophenyl)- pyrrolidine. The absorption spectra of pyrrolidine orange and N, N'(bis)-tetramethyleneindamine salts are further in the long wave region than those of methyl orange and the corresponding Bindshedler's salts. Five references.

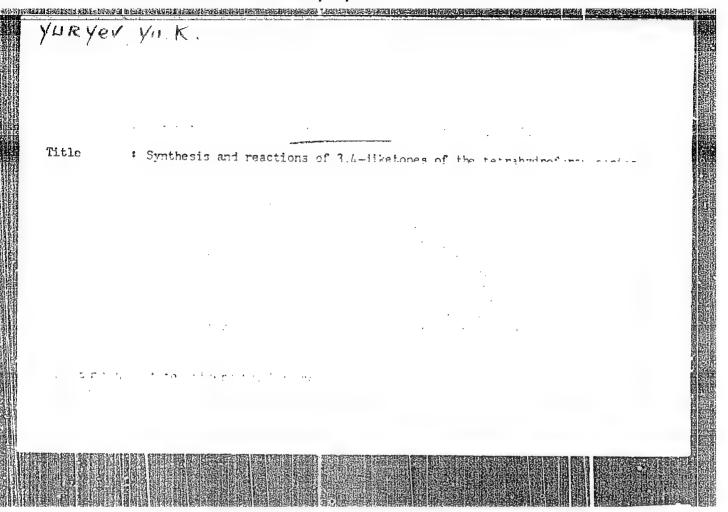
(all USSR). Equations; graphs.

Institution

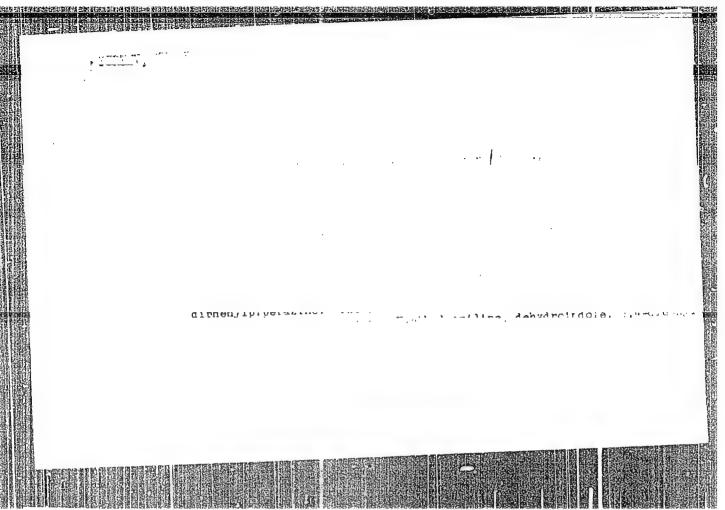
: Chair of Organic Chemistry

Submitted

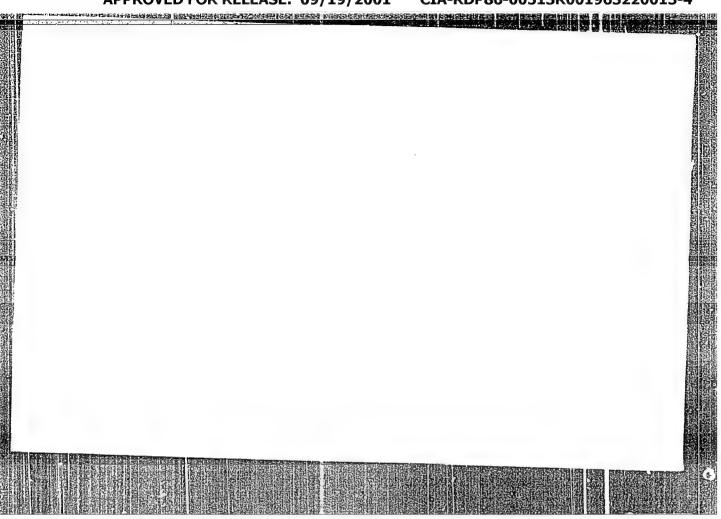
June 19, 1954



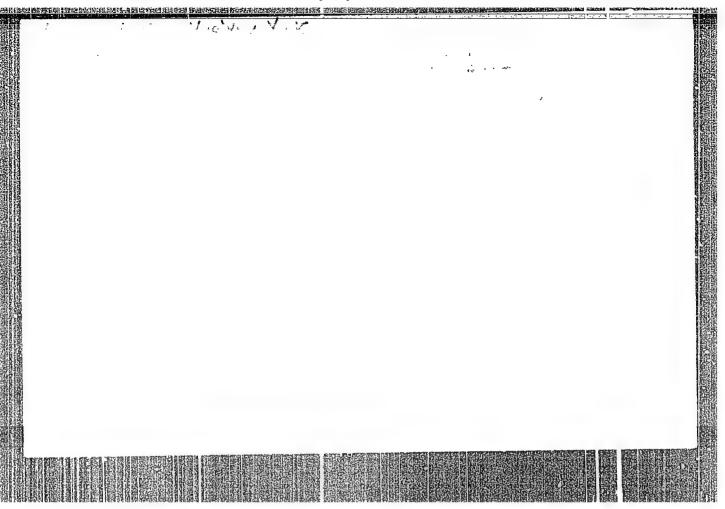
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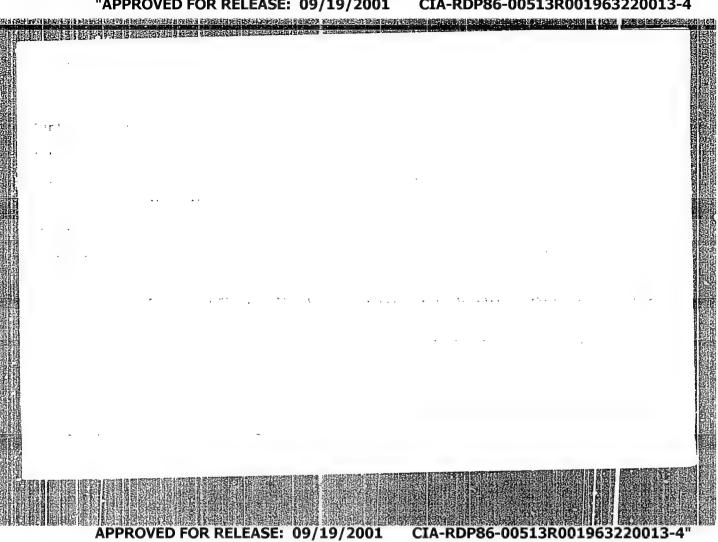
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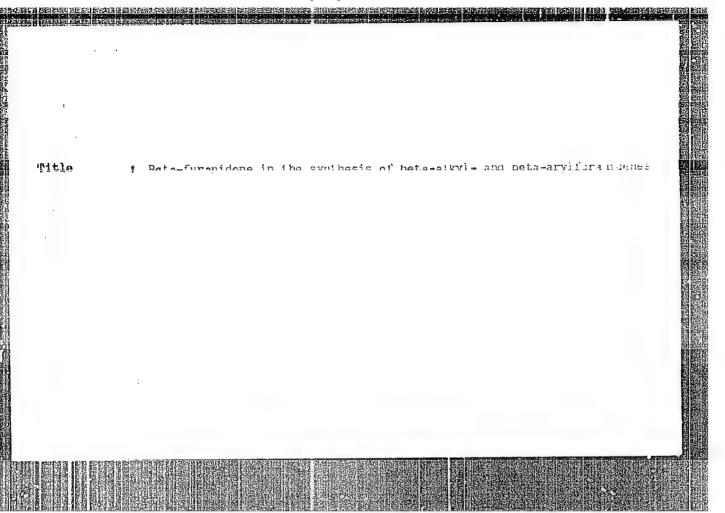


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Authors : Weryev, Tu. K., and Gorin, L. F.

Title : Dehydration of N-(beta-exethyl)-arylamines in the presence of sluminum

silicate

Periodical: Thur. ob. khim. 24/8, 1444 - 1449, August 1954

Abstract : The projects obtained from dehydration of M-(beta-exethyl -amplantues in

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orientations of the methyl or methycol in the anylamine and their effects

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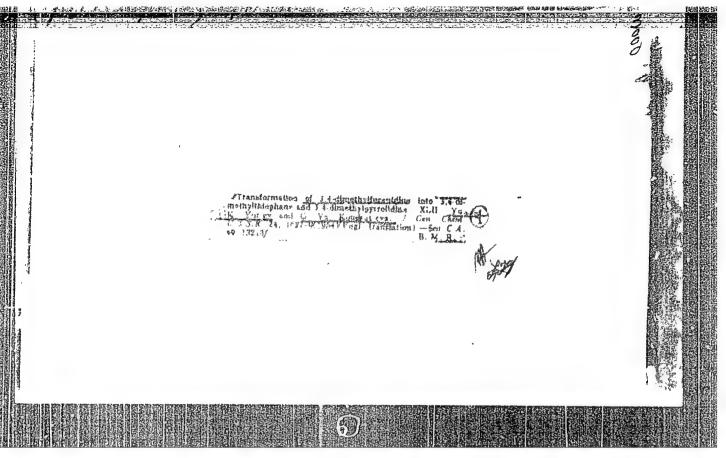
Institution : State University, Moscow

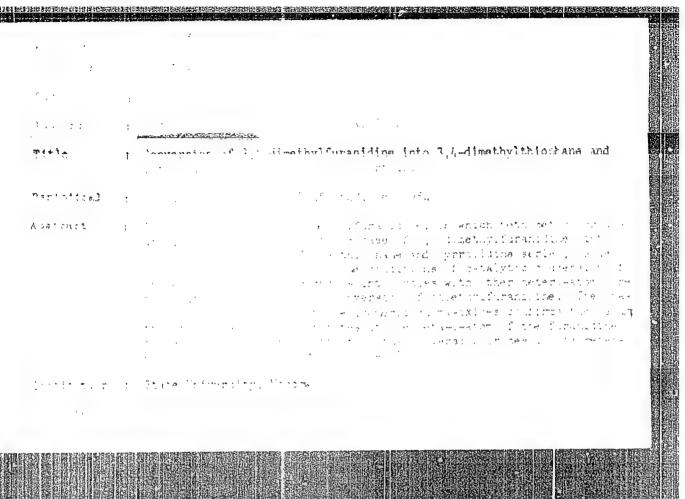
Submitted : March 4, 1954

ara anting di nabulan itu tu tamban 1000 mili kwa kuni di abibah kini di mabatan nekurabah nekitan bilatan bula USSR/ Chemistry Synthesis methods 7 . . ! Authors : Yaya, T., t., a locker, J. C. : yourseld of buta-nearly are beta-phenylthicphane through catalogic Title is any engion of prime and the lightest to their Periodical promotion, which has to be larger than August after Abstruct : The effect of further alkyl complication in the basic beta-alkylfuranidthe case to refer to the componential in beta-phearifulation, to the was able toursed on biscomos or sim bigings seemed and affect the beta-carbon atom of the furantitine cycle. Eleven references: E USCR; 2 German and 1 French (1902 - 1954). In thether is take divisibly, holes Submitted : March 22, 1954

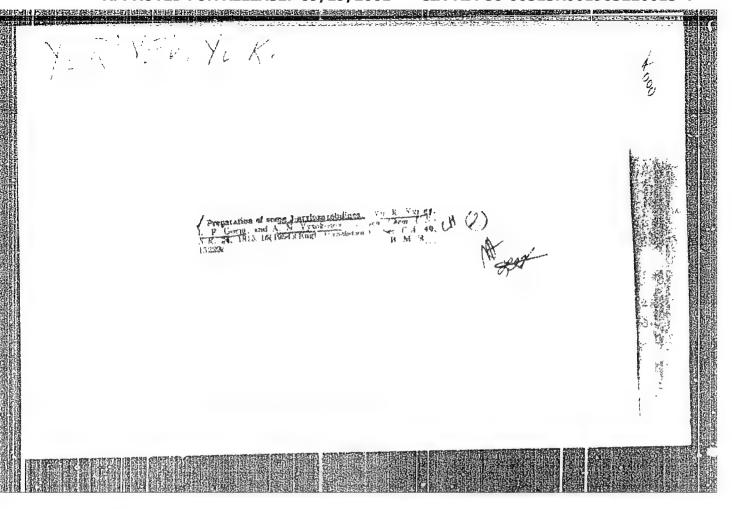
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ussa/Chemistry : Pub. 151 - 17/42 Card 1/1 ! Turyev, Yu. K.; Elyakov, G. B.; and Belyakova, Z. V. Authors Acyloxylans in the synthesis of arcmatic keto acids Title Periodical : Zhur. ob. khim. 24/9, 1568-1571, Jap 1954 A new method for the synthesis of aromatic keto acids, which utilizes only dibasic acids for its reactions and not analydrides or chloro-analydrides, is introduced. The various aromatic acids derived with Abstract the aid of this method, are described. The possibility of such acylation of the benzene nucleus with esters of dibasic soids was established by the derivation of benzoyl acatic ethyl ether. Twenty-four references: 3-USSR; 15-German; 3-USA and 3-French (1883-1952). State University, Moscow Institution : March 8, 1954 Submitted

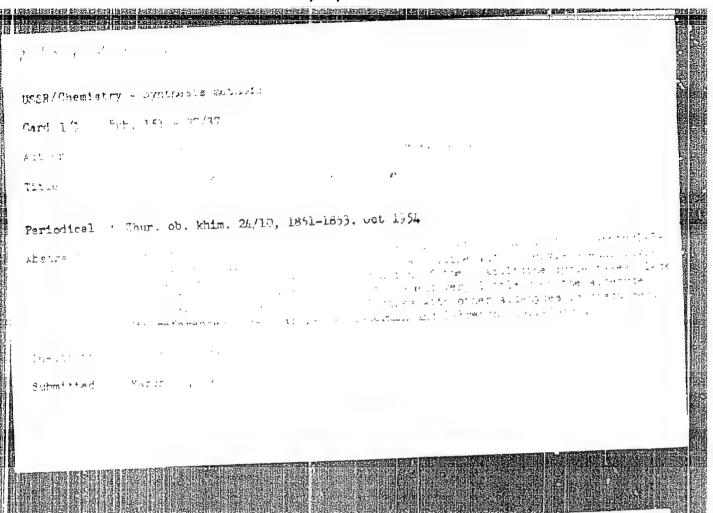




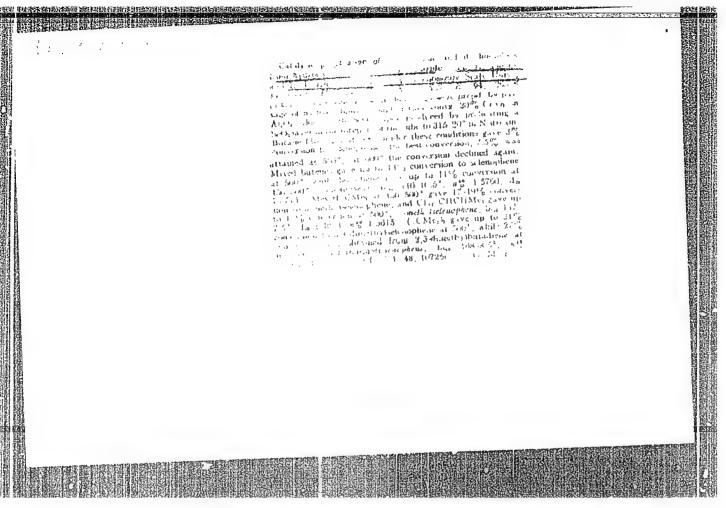
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HOVOSELOVA, A.V., otv.red.; VOL'FKOVICH, S.I., red.; GERASIMOV, Ya.I., red.; YUR'YEV, Yu.K., red.; YUR'YEVA, L.P., red.

[Department of Chemistry of Moscow State University] Khimicheskii fakul'tet Moskovskogo ordena Lenina i ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta imeni M.V.Lomonosova. Moskva. 1955. 59 p. (MIRA 13:6)

1. Moscow. Universitet. (Moscow--Chemistry--Study and teaching)

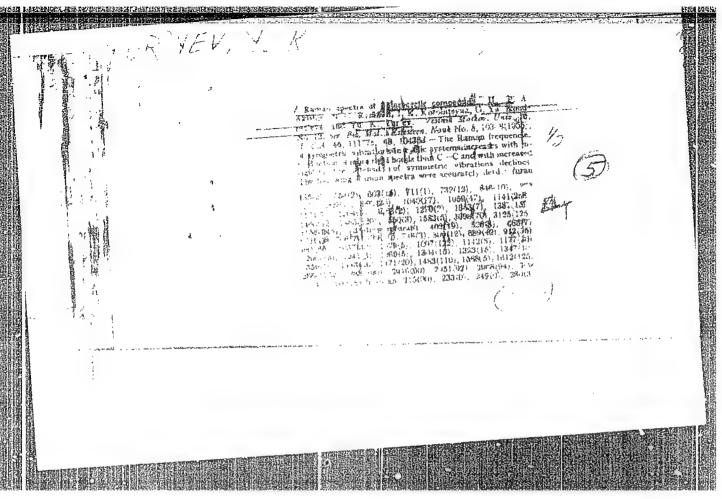
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ZELINSKIY, Hikolay Dmitriyevich, 1861-1953 [deceased] KAZANSKIY, B.A., akademik; BALAHDIH, A.A., akademik; KOCHESHKOV, K.A.; SHUYKIN, H.I.; KAVERZNEVA, Ye.D. doktor khimicheskikh nauk; LEVIMA, R.Ya., doktor khimicheskikh mauk; PIATE, A.F., doktor khimicheskikh mauk; RUBINSHTEYN, A.H., doktor khimicheskikh nauk; YUR'YEY, Yu.K., doktor

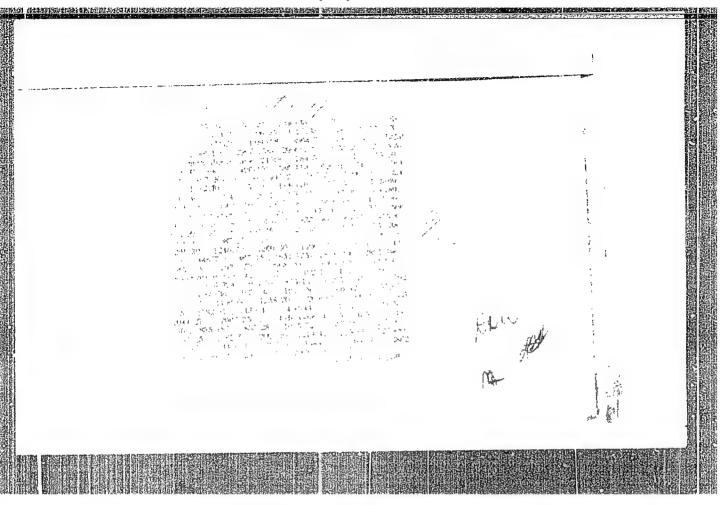
> [Collected works] Sobranie trudov, Moskva, Izd-vo Akademii nauk SSSR. (HLRA 8:11) Vol. 2. 1955. 743 p.

1. Chlen-korrespondent AN SSSR(for Kocheshkov and Shuykin) (Petroleum) (Hydrocarbons)

khimicheskikh nauk; KISELEVA, A.A., tekhnicheskiy radaktor,



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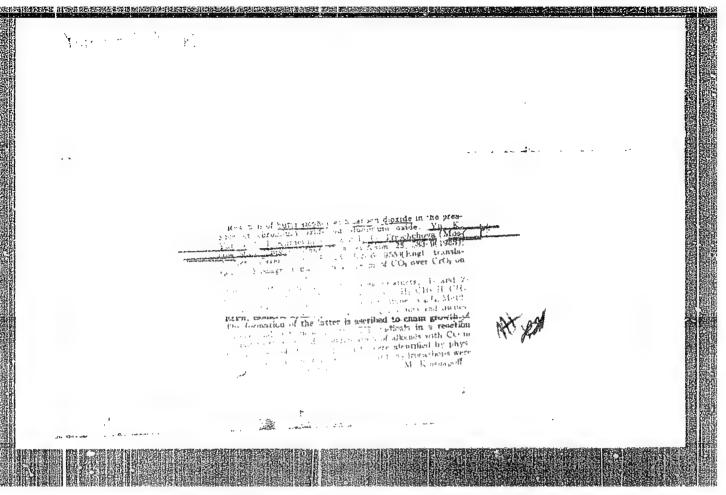
KAZANSKIY, B.A.; LEVINA, R.Ya.; YUR'YEV, Yu.K.

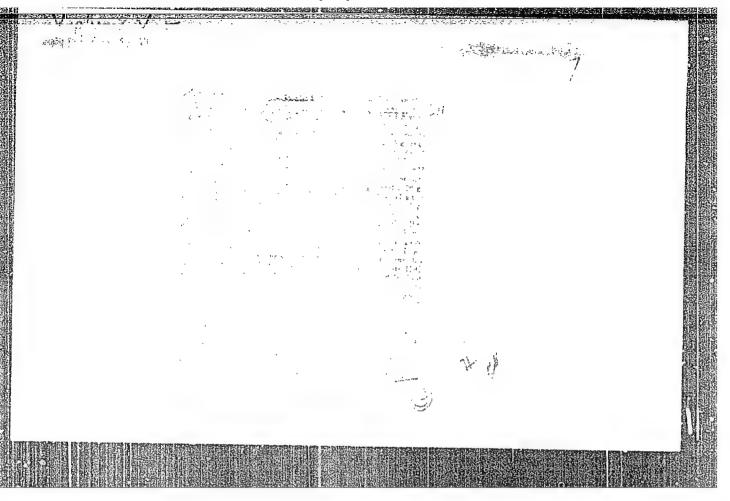
The chemistry of hydrocarbons and heterocyclic compounds in the works of N.D.Zelinskii and his school. Vest. Mosk. un. 10 (MIRA 8:8) no.45:145-167 Ap-My '55. (Hydrocarbons) (Zelinskii, Nikolai Dmitrievich, 1861-1953)

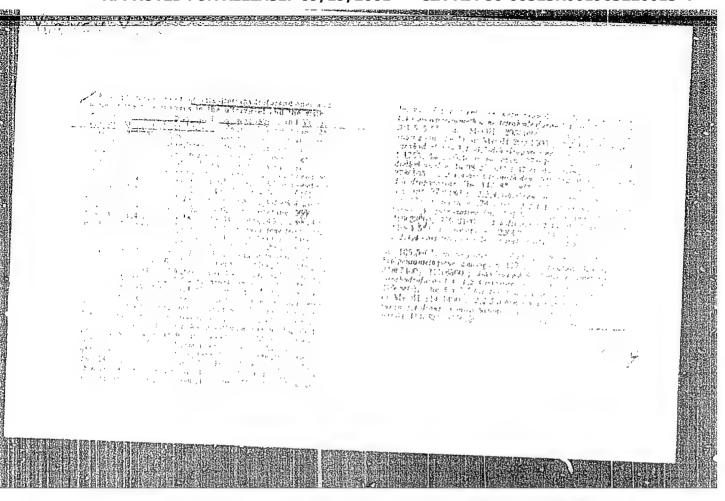
KOROBITSYNA, I.K.; YUR'YEV, Yu.K.; LUKINA, Ye.M. B-aminofuranidine and diglycolic acid from B-furanidone.

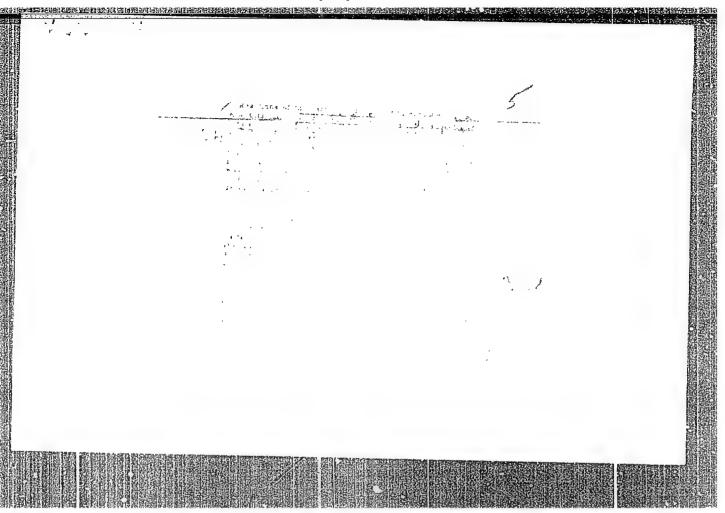
Zhur.ob.khim. 25 no.3:563-565 Mr 155. (MIRA 8:7) 1. Moskovskiy Gosudarstvenny universitet. (Furan) (Diglycolic acid)

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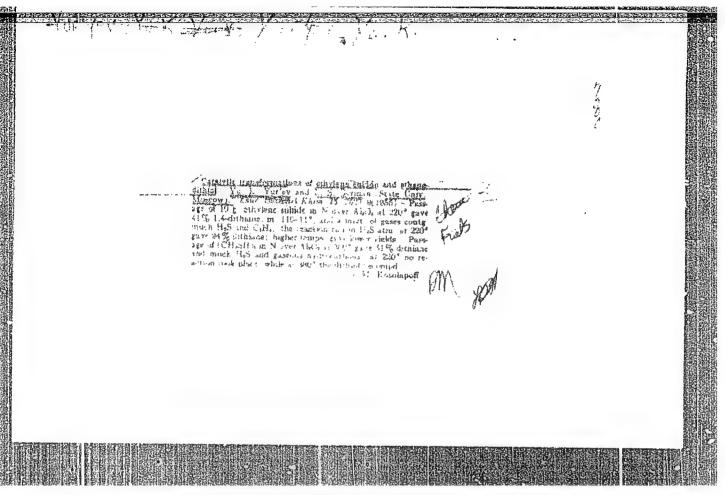








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1-4, 10 11.

AID P - 3582

Sub lect : USSR/Chemistry

Card 1/1 Pub. 152 - 19/20

Yur'yev, Yu. K., A. V. Arbatskiy, I. K. Korobitsyna, and V. M. Andreyev Authors

Title Preparation of N-phenylpyrrolidine from 1,4-butanedlol and aniline in the presence of aluminosilicate

Periodical Zhur. prikl. khim., 28, 7, 781-782, 1955

Under optimum reaction conditions, the yield of Abstract

N-phenypyrrolidine obtained was 68.1%. The preparation is described in detail. One table, 5 references,

all Russian (1937-1950).

Institution None

Submitted : Je 30, 1954

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USSR, Commistry - Organic inemistry Gard 1 100 22 - 28/49

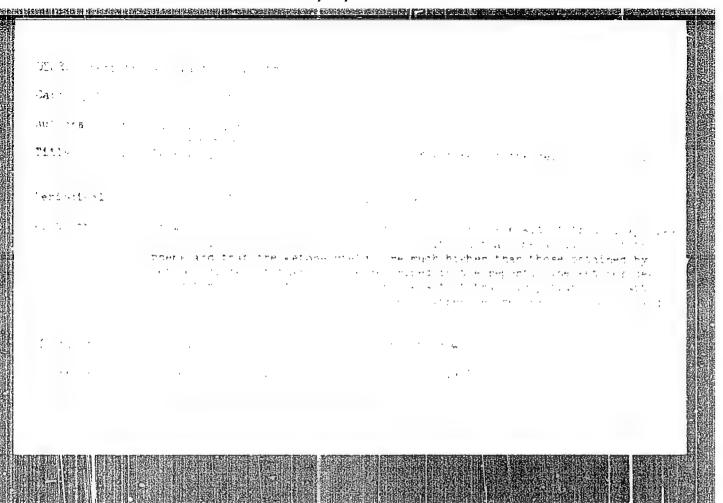
Authors . forvey Mr. How Belgard and Belgardva, Z. V.

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Periodical - 1-1, 4' (378, 102.1, 127-12), May 1, 1955

Abstrict or the more than or employed anything sularies from dicastic acids for the

 $\{x_i\}_{i=1}^n$ in it forms which is the interesting the reaction in districted the inis comparted if ally more a liminum onlymide one can easily obtain gold terms of earth's acid of the priconene series. The names of the products york is a continuous of a terminal respaired answerage usation. The pea-In this engreenment in nut in the integer terms attacked online was e o tall fruit less (Leven références: Lo A, colèr., colèr.,



 YUR'YEV, Yu.K., prof.; MESHEYAHOV, A.H., skadenik, otv.red.

[Laboratory work in organic chemistry; program for the Chemistry Faculty] Programma praktikuma po organicheskoi khimii (dlia khimicheskogo fakuliteta). 1956. 14 p. (HIRA 11:3)

1. Moscow. Universitet. (Chemistry, Organic -- Study and teaching)

USSR/Physical Chemistry - Molecule, Chemical Bond.

B-4.

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3575.

Author : P.A. Akishin, N.G. Rambidi, Yu. K. Yur'yev.

Inst : Moscow University.

Title : Raman Spectra of Heterocyclic Compounds. III.

Orig Pub: Vestn. Mosk. un-ta, 1956, 61-67.

Abstract: Raman spectra of ten sulphur containing heterocyclic compounds - trimethylenesulfide, thiophene, 2- and 3-methyltetrahydrothiophenes, 2,2-, 3,3-, 2,5-, 3,4- and 2,4-dimethyltetrahydrothiophenes and tetrahydrothiopyrine were obtained. The line intensities were measured photometrically using one and the same objective scale. The characteristic of the differential band intensity of the C-S link valence vibrations is shown. An exception is the intensity of the frequencies & (C-S) in the 3,3-dimethyltetrahydroihiophene spectrum, which surpasses the others by 20%. This fact is explained by a possible interaction of & (C-S) fre-

Card : 1/2

-43-

USSR/Physical Chemistry - Molecule, Chemical Bond.

R.J.

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3575.

quencies with holosymmetrical vibrations of the group containing the quaternary C atom. The intensity decrease of $(C-S)^2$ bands in compounds having conjugate C-S and C-C links, for example, in Δ^2 -dihydrothiopyran and thiophene, is noted. See part II in RZhKhim, 1956, 53677.

Card : 2/2

44-

YUR'TEV, Yu.K.; GEEMAN, L.S.

Synthesis of N-(/ -mercaptoethyl)-arylamines and N-(/ -mercaptoethyl)pyrrolidine. Vest. Nosk. un. Ser. met., mekh., astron., fiz., khim., 11
no.1:197-199 '56. (HIRA 10:12)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.

(Amines) (Pyrrolidine)

YUR'YEVOTUK.

YUR'YEV, Yu.K.; YELYAKOV, G.B.; EELYAKOVA, Z.V.

Cyanoethylation of isopropyl-2-thienyl ketone. Vest. Mosk.un. Ser.mat., mekh., astron., fiz., khim.ll no.1:201-203 156. (MIRA 10:12)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.
(Thienyl ketone) (Ethylation)

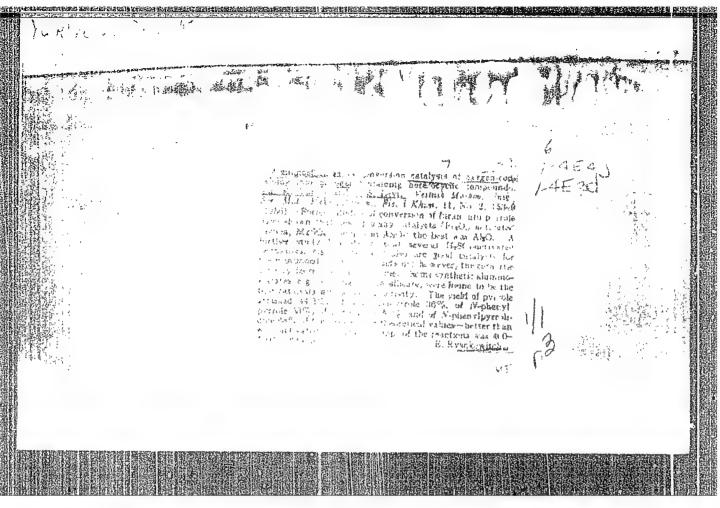
YUK YEVY YU. A

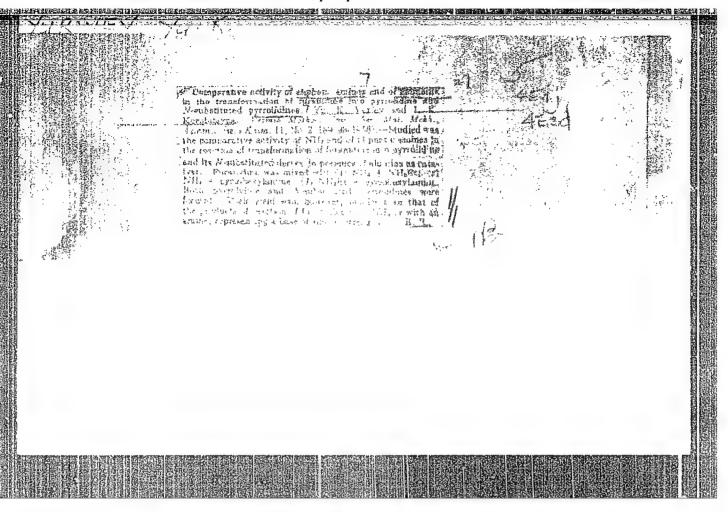
LEVINA, R. Ya.: YUR: YEV, Yu.K.

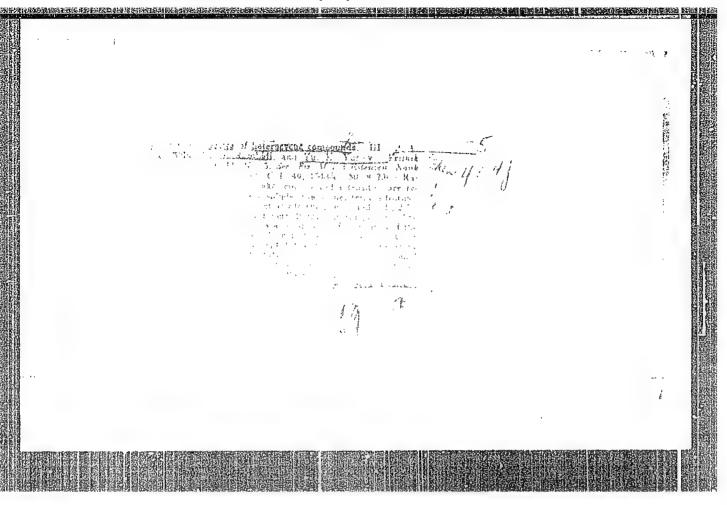
Academician S.S. Nametkin's studies in the field of chemistry of alicyclic hydrocarbons and their derivatives; on the occasion of the 80th anniversary of his birth. Vest. Mosk. un. Ser. mat. mekh., astron., fiz., khim. 11 no.2:121-133 '56. (MIRA 10:12)

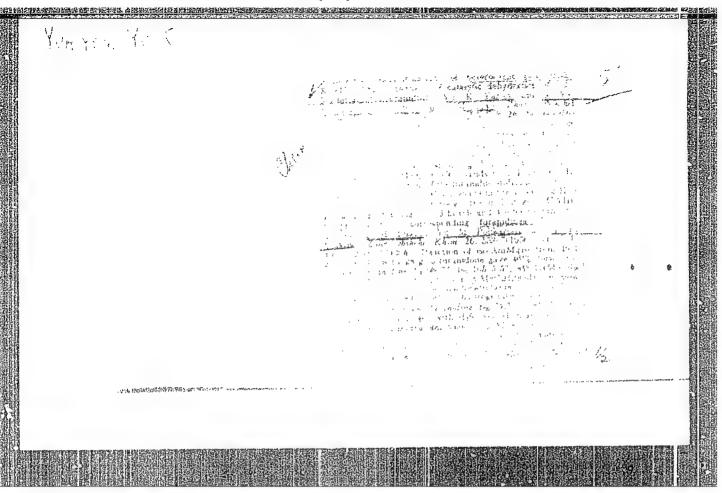
1. Kafedra organicheskoy khimii Moskovskogo gosudarstvennogo universiteta.

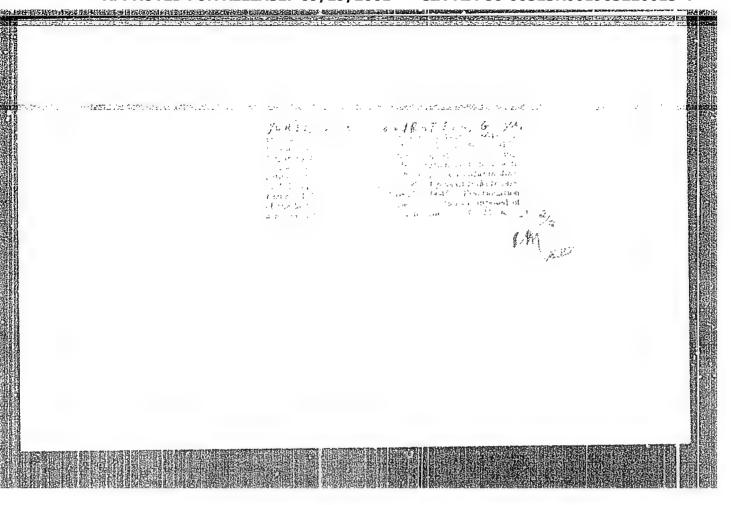
(Nametkin, Sergei Semenovich, 1876-) (Alicyclic compounds)











YUR'YEY, Yu.K.; GERMAN, L.S.

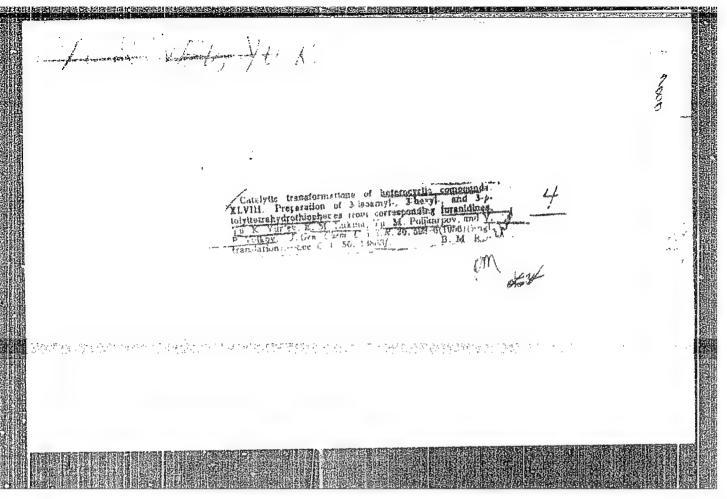
Synthesis of 3-aryl- and 2,3-diarylthiazolidines. Zhur.ob.khim. 26 no.2:550-553 F '56. (NERA 9:8)

1. Moskovskiy gosudarstvennyy universitet. (Thiazolidine)

YUR'YEV, Yu.K.; LUKIWA, Ye.M.; POLIKARPOV, Yu.H.; VOLKOV, V.P.

Catalytic conversions of heterocyclic compounds. Part 48. Preparation of 3-isoamyl-, 3-hexyl-, and 3-\$-telyltetrahydrothic-phenes from corresponding furanidines. Zhur.ob.khim. 26 no.2: 553-557 F 156. (HLRA 9:8)

1. Moskovskiy gosudarstvennyy universitet.
(Thiophene) (Furan)



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YUR'YEV, Yu.K.; YELYAKOV, G.B.; VYSOKOSOV, A.N.

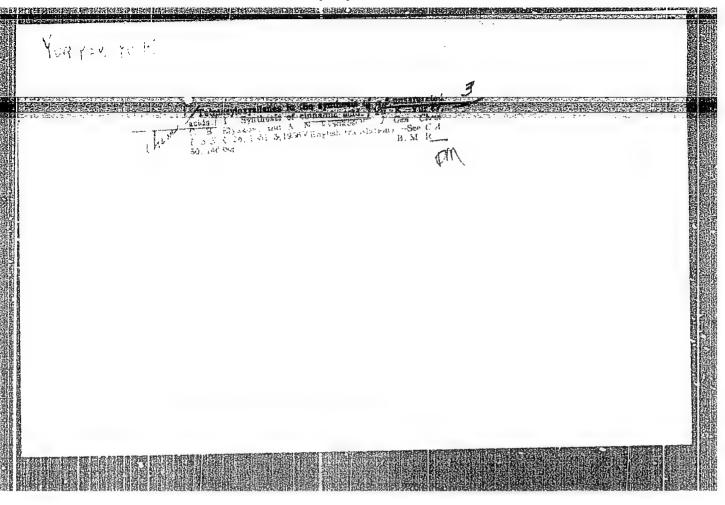
Tetraacyloxysilanes in the synthesis of \mathcal{L} , β -unsaturated acids. Part 1. Synthesis of cinnamic acid. Zhur.ob.khim. 26 no.3:926-930 Hr '56. (HLRA 9:8)

1. Moskovskiy gosudarstvennyy universitet.
(Cinnamic acid)

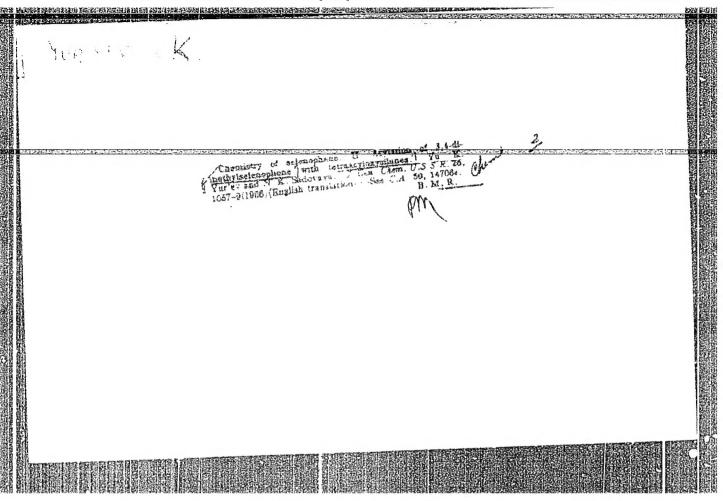
YUR'YEV, Yu.K.; SADOVAYA, N.K.

Chemistry of selenophene. Part 2. Acylation of 3.4-dimethylselecphene by tetraacyloxysilanes. Zhur.ob.khim. 26 no.3:930-933 Kr '56. (MLRA 9:8)

Moskovskiy gosudarstvennyy universitet.
 (Selenophene) (Silane) (Acylation)



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USSR/ Organic Chemistry - Synthetic organic chemistry

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11649

: Korobitsyna I.K., Yur'yev Yu.K., Shvedova S.N. Author

Synthesis of 1,4-Diaminobutanone-2. Title

Orig Pub : Zh. obshch. khimii, 1956, 26, No 6, 1660-1662

Abstract : 51 g of 1, 4-dichlorobutyne-2 are stirred for 8 hours with 2 liters of concentrated NHhOH, acidified with concentrated HCl, evaporated 70 hours, extracted with ether; yield of 1,4-diaminobutyne-2 (I) 37%, BP 82-840/ /6 mm, MP 41-430. 5.4 g I in 360 ml 10% solution KDH are shaken for 3 hours with 18.4 g CoHcCocl to convert to N,N' -dibenzoyl-1, 4-diaminobutyne-2 (II), yield 90.3%, MP 2100 (from alcohol); 15 g II; 900 ml 90% CH3COOH and 6 g H2SO4 allowed to stand for 12 hours, heated 20 hours at 70-80°, filtered, solvent evaporated, added 300 ml water; yield of N,N'-dibenzoyl-1, 4-diaminobutanone-2 (III) 72%; 3 g III boiled 30 hours with 75 ml 98% CH2COOH+ 75 ml concentrated HCl (added four times 10 ml of HCl). Solution decolorized with charcoal, evaporated in vacuum, and extracted with ether. To almost dry residue added 35 ml alcohol; at 00 the hydrochloride of 1,4-diaminobutanone-2 separates out, yield 65%, MP 215-2160 (decomposition).

Card 1/1

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